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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762,006	02/01/2001	Thomas Hottkowitz	2923-123	6539
6449 7	590 06/15/2004		EXAM	INER
ROTHWELL, FIGG, ERNST & MANBECK, P.C.			STOCKTON, LAURA	
1425 K STREE	ET, N.W.			
SUITE 800			ART UNIT	PAPER NUMBER
WASHINGTO	WASHINGTON, DC 20005		1626	

DATE MAILED: 06/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-2	Application No.	Applicant(s)
	09/762,006	HOTTKOWITZ, THOMAS
Office Action Summary	Examiner	Art Unit /
	Laura L. Stockton, Ph.D.	1626
The MAILING DATE of this communication Period for Reply		th the correspondence address
A SHORTENED STATUTORY PERIOD FOR RI THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication If the period for reply specified above is less than thirty (30) days, If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply within the s	ON. FR 1.136(a). In no event, however, may a rein. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MONstatute, cause the application to become AB.	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 2	28 May 2004.	
2a) This action is FINAL . 2b) ⊠	This action is non-final.	
3) Since this application is in condition for all	owance except for formal matte	ers, prosecution as to the merits is
closed in accordance with the practice und	der <i>Ex par</i> te Quayle, 1935 C.D.	. 11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) <u>1-13,15,33 and 43-45</u> is/are pend	ling in the application.	
4a) Of the above claim(s) is/are with		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-13,15,33 and 43-45</u> is/are rejec	eted. }	, c.
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction a	nd/or election requirement.	•
Application Papers		
9) The specification is objected to by the Exar	miner	
10) The drawing(s) filed on is/are: a)		w the Evaminer
Applicant may not request that any objection to		
Replacement drawing sheet(s) including the co	-	• •
11) The oath or declaration is objected to by the		
	e Examiner. Note the attached	Office Action of form P10-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of:	eign priority under 35 U.S.C. §	119(a)-(d) or (f).
 Certified copies of the priority docum 	nents have been received.	
Certified copies of the priority docum	nents have been received in Ap	pplication No
Copies of the certified copies of the 	priority documents have been r	received in this National Stage
application from the International Bu	reau (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a	list of the certified copies not re	eceived.
		·
Attachment(s)		
Notice of References Cited (PTO-892)	Λ\	(DTO 440)
2) Notice of References Cited (P10-892) Provided in References Cited (P10-892) Provided in References Cited (P10-892)	4) LJ Interview Su Paper No(s).	ımmary (PTO-413) /Mail Date
Information Disclosure Statement(s) (PTO-1449 or PTO/SB	3/08) 5) Notice of Inf	ormal Patent Application (PTO-152)
Paper No(s)/Mail Date Patent and Trademark Office	6)	*

DETAILED ACTION

Claims 1-13, 15, 33 and 43-45 are pending in the application.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114 was filed in this application after appeal to the Board of Patent Appeals and Interferences, but prior to a decision on the appeal. Since this application is eligible for continued examination under 37 CFR 1.114 and the fee set forth in 37 CFR 1.17(e) has been timely paid, the appeal has been withdrawn pursuant to 37 CFR 1.114 and prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on May 28, 2004 has been entered.

Election/Restrictions

Applicants' election with traverse of Group XI and the species of compound 372 in Paper No. 9 (filed June 14, 2002) was acknowledged

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in the Office Action mailed July 11, 2002 {Paper No. 10}. The requirement was deemed proper and made FINAL.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-13, 15, 33 and 43-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over AT 393505 and Eibl et al. {EP 534,445}, each taken alone. English translations of AT 393505 and Eibl et al. are being provided with this Office Action and will be referred to hereinafter unless otherwise specified.

Determination of the scope and content of the prior art (MPEP §2141.01)

Applicants claim phosphates and phosphoamines. AT 393505 teaches phosphates and phosphoamines which are structurally similar to

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the instant claimed compounds {see pages 3, 4, 17 and 22-25; and especially Example 13 (page 41) and Example 14 (pages 42-43)}. Eibl et al. also teach phosphate esters which are structurally similar to the instant claimed compounds {page 2, lines 25-42 and Example 5 (Beispiel 5) on page 6 in the EP document; and pages 3-8 in the English translation}.

Ascertainment of the difference between the prior art and the claims (MPEP §2141.02)

The difference between the compounds of the prior art and the compounds instantly claimed is that the instant claimed compounds are generically described in the prior art.

Finding of prima facie obviousness--rational and motivation (MPEP §2142-2413)

The indiscriminate selection of "some" among "many" is *prima facie* obvious. The motivation to make the claimed compounds derives from the expectation that structurally similar compounds would possess similar activity (e.g., cytotoxic activity).

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One skilled in the art would thus be motivated to prepare compounds embraced by the prior art to arrive at the instant claimed compounds with the expectation of obtaining additional beneficial products which would have cytotoxic activity and can be used to treat tumors. The instant claimed invention would have been suggested to one skilled in the art and therefore, the instant claimed invention would have been obvious to one skilled in the art.

Response to Arguments

Applicants' arguments filed May 28, 2004 have been fully considered. Applicants argue that the claims, as amended, are unobvious over the compounds in AT 393505 and Eibl et al. Applicants argue that the double bond not being in the same position as it would be in the naturally occurring alcohol or acid allow one to change and specifically control the physical, biochemical and biological properties of the compounds. Applicants allege that such structural variations in the apolar region lead to compounds exhibiting improved antitumor activity.

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Applicants further argue that nothing in the art would motivate one skilled in the art to undertake such modifications.

All of Applicants' arguments have been considered but have not been found persuasive. The above cited prior art generically teach the instant invention as presently claimed. The specific examples prepared in the prior art references differ from Applicants' compounds by a methylene group {e.g., -CH₂-}.

For instance, in comparison of instant claim 1 and Example 14 on pages 42-43 in AT 393505, the difference is a methylene group. See in instant claim 1 wherein p+q is 13 (p is 8 and q is 5) and Example 14 in AT 393505 wherein p+q is 12 (p is 8 and q is 4). The difference being a pentyl group (the value of the instant q variable is 5) in the instant claimed invention versus a butyl group in the prior art (the value of the instant q variable is 4). AT 393505 teach that the "R" variable represents an alkyl residue, having one double bond, with 14 to 20 carbon atoms (page 4, second and third full paragraphs). Therefore, AT 393505 not only prepares a compound that is a homologue of the instant

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claimed compounds but generically teaches the compounds embraced by the instant claims. Therefore, the examples in the prior art would lead one skilled in the art to the instant claimed invention. Further, Applicants have not demonstrated in a side-by-side showing of unexpected beneficial results of the instant claimed compounds over the specie prepared in the cited prior art. The rejection of the claims is deemed proper and is therefore maintained.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura L. Stockton whose telephone number is (571) 272-0710. The examiner can normally be reached on Monday-Friday from 6:15 am to 2:45 pm. If the examiner is out of the Office, the examiner's supervisor, Joseph McKane, can be reached on (571) 272-0699.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

The Official fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Laura L. Stockton, Ph.D.

Patent Examiner

Art Unit 1626, Group 1620

Technology Center 1600

June 10, 2004